

# DYLAN ZHAO

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Email: dylanzhao2004@gmail.com or dxz365@case.edu

10541 Forest Glen Pl  
Powell, OH 43065

## EDUCATION

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### Ohio State University, Columbus

#### High School:

- BIOETHC 2000: **Bioethics Theory**
- CSE 1223: **Programming Java**
- ENGLISH 3361: **Narrative Medicine**
- MATH 2153: **Calculus 3**
- STAT 2450.01: **Intro Stat Analysis 1**
- CHEM 1220: **General Chem 2**
- CSE 1224: **Programming Python**
- HTHRHSC 2500: **Medical Terminology**

#### Summer 2024:

- CHEM 2510: **Organic Chemistry I**

### Case Western Reserve University, Cleveland, Ohio

#### Previous Courses:

- BIOL 214 & 214L: **Genes, Evolution and Ecology & Lab**
- CSDS 133: **Intro to Data Science**
- AIQS 100: **Academic Inquiry Seminar**
- HSTY 100: **Intro to History**
- PHYS 123: **Physics and Frontiers I**
- PHYS 124: **Physics and Frontiers II - Electricity and Magnetism**
- BIOL 215 & 215L: **Cells and Proteins & Lab**
- CSDS 233: **Intro to Data Structures**
- MATH 224: **Elementary Differential Equations**
- PSYCH 101: **Introduction to Psychology**

#### Planned Courses:

- CHEM 233: **Introductory Organic Chemistry Laboratory I**
- CSDS 234: **Structured and Unstructured Data**
- CHIN 101: **Elementary Chinese I**
- CSDS 302: **Discrete Mathematics**
- ENGR 399: **Impact of Engineering on Society**
- RLGN 172: **Introducing Islam**

## COURSE PROJECTS

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- CSE 1223
  - **Tic-Tac-Toe Game**
- CSDS 133
  - **Predicting the 2024 Super Bowl Contestants using the Random Forest Algorithm**

## HONORS AND AWARDS

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National Merit Scholarship Semifinalist	2022
Honda-Ohio State STEM award	2023

## PREVIOUS RESEARCH AND SHADOWING

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### Research:

#### *Professor Xun Ai's Laboratory*

#### The Ohio State University, Department of Physiology and Cell Biology

- Worked on a data analysis project analyzing correlations between mouse organ sizes and mouse life span
- Had hands-on experience performing mouse genotyping and cell staining

### Clinical Shadowing:

- *Dr. Yuqing Zhang: Family Medicine and Acupuncture*, Flushing, New York
- *Dr. Kewa Li: Columbus Center for Integrative Medicine*, Columbus, Ohio
- *Cleveland Clinic ED*, Cleveland, Ohio
- *Dr. Nate Weathington: UPMC St. Margaret ICU*, Pittsburgh, Pennsylvania
- *Dr. Harijith: UH Rainbow Babies & Children's Hospital NICU*, Cleveland, Ohio

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## SKILLS

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### Python Programming:

- numpy, pyplot, and pandas, scikit-learn
- Web scraping
- API
- Random Forest
- Linear Regression
- KNN
- Jupyter Notebook

### Java Programming:

- Bags
- Stacks
- Queues
- Lists
- Quicksort

Microsoft Word

Microsoft Excel

## VOLUNTEER EXPERIENCE

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### Smoky Road Food Pantry, Columbus, Ohio

#### *Volunteer*

- Helped carry boxes of food to client's cars
- Sanitized carts for next client's use

### Louis Stokes Cleveland Department of Veterans Affairs Medical Center

Cleveland, Ohio

#### *Volunteer*

- Patient escort
- Recreational Therapy

## WORK EXPERIENCE

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### Chipotle, Columbus, Ohio

#### *Crew*

- Worked on in person and online orders